BRUHAT BANGALORE MAHANAGARA PALIKE

Schedule 'B'

Providing LED Street Lights, RCC poles and Control wires in ward no 11

Sl. No.	Qty	Description of Work	Unit	Rate in Figures	Rate in Words
1	2	3	4	5	6
1	49	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II.90 Watts	Nos	31250.00	Rupees Thirty One Thousand Two Hundred and Fifty Only
2	49	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe	Nos	893.00	Rupees Eight hundred and Ninty Three Only
3	300	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded **Aluminium** unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	Mtrs	7.50	Rupees Seven and Fifty paisa only
4	300	Supplying of 1.1kv grade Aerial Bunched cable stranded & compacted Aluminium Phase conductor and Stranded Messenger conductor with all aluminium alloy, Phase conductor is insulated with XLPE compound insulated Messenger with specified IS - 14255:1995 & confirming to GTP of group A. 2 X 25 + 1 X 25 SQ.MM	Mtrs	143.00	Rupees One Hundred and Forty Three only

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5	300	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Mtrs	10.30	Rupees Ten and Thirty Paisa Only
6	220	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 4 core 16 sqmm	Mtrs	140.40	Rupees One Hundred Fourty and Forty paisa Only
7	220	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	Mtrs	10.80	Rupees Ten and Eight Paisa only
8	150	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. (As perCivil SR KSRB I-2, P-7).a) In soil (ordinary)	Mtrs	78.00	Rupees Seventy Eight only
9	5	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. A)40x40x6mm.	Mtrs	263.00	Rupees Two Hundred and sixty Three Only
10	1	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100-125Amps	Nos	9915.00	Rupees Nine Thousand Nine Hundred and Fifteen Only
11	1	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40-63Amps TPN	Nos	1936.00	Rupees One Thousand Nine Hundred Thirty Six Only
12	1	Supplying and fixing of Twin Dial electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc.. Group A, PWD SR 2007-08,	Nos	4200.00	Rupees four Thousand two Hundred Only
13	25000	Fabricating supplying and mounting MS box made out... SWG suitable Ifor floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	Sq cms	0.33	Rupees Thirty Three Paisa Only
14	30	Supply and fixing/replacing of choke for Sodium Vapour lamp fitting in existing fitting mounted on tubular pole.250Watts	Nos	1950.00	Rupees One Thousand Nine Hundred Fifty Only
15	30	Supplying and fixing of HPSV lamps on existing fitting mounted on tubular pole Twin ended 250 to 400Watts	Nos	674.00	Rupees Six Hundred Seventy Four Only
16	30	Supplying and fixing/replacement of Ignitor suitable for 70 to 400Watts SV/MH fittings.	Nos	523.00	Rupees Five Hundred Twenty Three Only
17	10	Supply and fixing of ....cross arm including all Hardware's complete as per the standard technical specification of BESCOM. 2 Pin 45x45x5mm -510mm	Nos	306.00	Rupees Three Hundred Six Only
18	10	Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections	Nos	160.00	Rupees One Hundred Sixty Only
19	10	Suspension Clamp Assembly16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	190.00	Rupees One Hundred Ninty Only

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20	4	Dead End Clamp/Anchor Clamp Assembly 25 to95 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	131.00	Rupees One Hundred Thirty One Only
21	10	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger	Nos	115.00	Rupees One Hundred Fifteen Only
22	10	Installation of Insulation piercing connector for main to street lightMain : 16-95sqmm, Tap : 1.5-10sqmm(EP95)	Nos	54.00	Rupees Fifty Four Only
23	4	Fixing of Universal Hook/Dead end clamp	Nos	115.00	Rupees One Hundred Fifteen Only
24	24	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Nos	176.00	Rupees One Hundred And Seventy Six Only

I am prepared to take up the above work at the rates as mentioned in the SCHEDULE-B

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Contractor

Executive Engineer Electrical (Yelahanka)
Bruhat Bangalore Mahanagara Palike